



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

KANSAS, Extreme Southeast

Bourbon County

Hiattville	07	0730CST			0	0	0		Hail(0.88)
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Bourbon County

Hiattville	07	1440CST			0	0	0		Hail(0.75)
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Dime size hail was also reported near the Fort Scott airport.

Cherokee County

Scammon	07	1700CST			0	0	0		Hail(0.75)
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Cherokee County

Countywide	07 08	1800CST 0000CST			0	0	0	0	Flash Flood
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Bourbon County

Countywide	07 08	2100CST 0000CST			0	0	0	0	Flash Flood
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Crawford County

Countywide	07 08	2100CST 0000CST			0	0	0	0	Flash Flood
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This extraordinary event consisted of three primary waves of severe weather and flooding. The first occurred during the early morning of May 7th. The second consisted of four separate severe and flooding events which overlapped and lasted from mid-morning on May 7th, to near sunrise on May 8th. The last wave of severe weather and flooding swept through the area the evening of May 8th, and into the early morning hours of May 9th.

Rainfall amounts of four to eight inches fell across the area from the early morning of May 7th, to the morning of May 9th. Bands greater than 10 inch amounts were shown over Bourbon and Crawford counties.

The widespread heavy rain amounts and periods of torrential rainfall rates resulted in extensive flooding of small streams and creeks, county roads, low water crossings and other low lying areas. Some major highways were also affected.

In addition to the flash flooding reports, river flooding became significant as many went above flood stage by the middle of May.

All monetary damages will be included in the flood narrative listed on May 9th.

Crawford County

Mc Cune	07	2041CST			0	0	0		Hail(0.88)
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Cherokee County

2 N West Mineral	07	2050CST			0	0	0		Hail(0.75)
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KSZ073-097-101

Bourbon - Crawford - Cherokee

	08	0000CST			0	0	65K	650K	Flood
	09	1200CST							

The flash flooding event on the 7th and early 8th, became a major flooding event across all of southeast Kansas through the early afternoon of May 9th. In addition to the numerous road closures and river flooding, many communities had their worst flooding in more than 10 years. Several areas of southeast Kansas had major crop damage which contributed to 50% or more of losses this year.

Crawford County

5 NW Girard	08	0200CST			0	0	0		Hail(1.75)
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Crawford County

Girard	08	0215CST			0	0	0		Hail(1.75)
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70 mph winds were also reported near Girard.



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KANSAS, Extreme Southeast

Bourbon County

1 S Ft Scott to Ft Scott Arpt	08	2015CST 2020CST			0	0	15K		Thunderstorm Wind (G55)
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Cherokee County

Columbus	08	2050CST			0	0	10K		Thunderstorm Wind (G55)
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A squall line formed over eastern Kansas Thursday evening and moved through southeast Kansas. It caused roof damage to homes near Fort Scott, and damage to their local airports hanger. A home's roof was also blown off near Columbus.

Cherokee County

Melrose	08	2105CST			0	0	0		Hail(0.88)
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Cherokee County

West Mineral	12	1219CST			0	0	0		Hail(1.00)
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Crawford County

8 W Pittsburg	12	1236CST			0	0	0		Hail(1.00)
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Crawford County

East Portion	24	0530CST 0730CST			0	0	0		Flash Flood
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Rainfall amounts of two inches fell in less than two hours in eastern portions of Crawford county producing localized flash flooding, including Highway 57 east of Girard.

MISSOURI, Southwest

Howell County

Moody	01	0838CST			0	0	0		Hail(0.75)
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Howell County

Lanton	01	0855CST			0	0	0		Hail(0.75)
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Barry County

Exeter	01	1738CST			0	0	0		Hail(1.00)
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Webster County

1 N Seymour	01	1805CST			0	0	0		Hail(0.75)
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Barry County

Cassville	01	1810CST			0	0	0		Hail(0.75)
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Stone County

7 N Cape Fair	01	1815CST			0	0	0		Hail(1.00)
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Stone County

Reeds Spg	01	1830CST			0	0	0		Hail(1.00)
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Wright County

4 N Mountain Grove	01	1835CST			0	0	0		Hail(1.00)
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Taney County

Taneyville	01	1850CST			0	0	0		Hail(0.88)
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Half dollar size hail fell near Forsyth and nickel size hail near Bradleyville.

Texas County

Tyrone	01	1850CST			0	0	0		Hail(0.75)
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Stone County

5 N Kimberling City	01	1854CST			0	0	0		Hail(0.88)
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Douglas County

5 S Ava	01	1920CST 1925CST			0	0	5K		Thunderstorm Wind (G55)
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Trees were blown down between Rome and Squires south of Ava. A barn was damaged in this area along with siding blown off a home.



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<u>MISSOURI, Southwest</u>									
Howell County									
West Plains	01	2123CST			0	0	0		Hail(0.88)
			Dime size hail also fell southwest of West Plains.						
Oregon County									
Rover	01	2140CST			0	0	0		Hail(1.75)
Greene County									
1 S Willard	02	0230CST			0	0	0		Hail(0.75)
Greene County									
Willard	02	0235CST			0	0	0		Hail(0.75)
Greene County									
5 NE Springfield	02	0247CST			0	0	0		Hail(0.88)
Texas County									
Licking	02	0344CST			0	0	0		Hail(0.75)
Texas County									
Licking	02	0345CST			0	0	0		Hail(0.75)
Dent County									
1 NE Jadwin	02	0350CST 0352CST			0	0	0		Hail(0.88)
Shannon County									
6 NE Winona	02	0534CST			0	0	0		Hail(0.88)
Newton County									
Neosho	06	0130CST 0400CST			0	0	0		Flash Flood
McDonald County									
Anderson	06	0200CST 0400CST			0	0	0		Flash Flood
			Rainfall totals of one to three inches fell over McDonald and Newton counties causing street flooding and several low water crossings to flood.						
McDonald County									
Longview	06	0200CST			0	0	0		Thunderstorm Wind (G52)
			Several trees were blown down near Longview.						
Howell County									
5 SW West Plains	06	1047CST			0	0	0		Hail(0.75)
Vernon County									
Horton	06	2345CST			0	0	0		Thunderstorm Wind (G52)
St. Clair County									
Tiffin	07	0025CST			0	0	0		Thunderstorm Wind (G52)
Benton County									
Lincoln	07	0030CST			0	0	5K		Hail(0.75)
			Trees and power lines were blown down near Cole Camp.						
Benton County									
5 NE Warsaw	07	0040CST 0050CST			0	0	25K		Thunderstorm Wind (G55)
Cedar County									
El Dorado Spgs	07	0045CST 0050CST			0	0	5K		Thunderstorm Wind (G52)
Morgan County									
Versailles	07	0055CST			0	0	5K		Thunderstorm Wind (G52)
St. Clair County									
Collins	07	0055CST			0	0	0		Thunderstorm Wind (G52)



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MISSOURI, Southwest

Camden County									
Countywide	07	0105CST 0130CST			0	0	10K		Thunderstorm Wind (G55)
Hickory County									
Countywide	07	0105CST 0120CST			0	0	20K		Thunderstorm Wind (G55)
Miller County									
Countywide	07	0115CST 0130CST			0	0	25K		Thunderstorm Wind (G55)
Laclede County									
Lebanon	07	0135CST			0	0	5K		Thunderstorm Wind (G52)
Pulaski County									
Dixon	07	0145CST			0	0	0		Thunderstorm Wind (G52)
Dallas County									
Foose	07	0155CST			0	0	5K		Thunderstorm Wind (G52)
Maries County									
Countywide	07	0200CST 0210CST			0	0	0		Thunderstorm Wind (G55)
Phelps County									
Rolla	07	0211CST 0230CST			0	0	10K		Thunderstorm Wind (G55)

A squall line moved through west central and central Missouri during the early morning hours of May 7th. There were numerous reports of high winds in excess of 60 to 70 mph, including reports of power lines downed, trees uprooted, and tractor trailers blown off Interstate 44. The severe winds blew the roof off a mobile home near Wheatland, and another northeast of Warsaw. Billboard signs were also blown down along Interstate 44 near Rolla. A boat dock was destroyed west of Pittsburg on Pomme De Terre Lake.

Phelps County									
Rolla	07	0300CST			0	0	50K		Lightning
Lightning struck a three-bedroom house near Rolla, Missouri. Fire completely destroyed the second floor while the first floor was heavily damaged.									
Wright County									
Norwood	07	0500CST			0	0	5K		Thunderstorm Wind (G52)
There were reports of trees uprooted and a mobile home damaged.									
Phelps County									
Rolla	07	0800CST 1100CST			0	0	0		Flash Flood
Benton County									
Warsaw	07	1000CST 1300CST			0	0	0		Flash Flood
St. Clair County									
Lowry City	07	1000CST 1400CST			0	0	0		Flash Flood
Hickory County									
Hermitage	07	1630CST 1930CST			0	0	0		Flash Flood
Vernon County									
Nevada	07	1640CST 2100CST			0	0	0		Flash Flood
Cedar County									
El Dorado Spgs	07	1745CST 2000CST			0	0	0		Flash Flood



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					Killed	Injured	Property	Crops	

MISSOURI, Southwest

Barton County

Lamar	07 08	2100CST 0000CST			0	0	0		Flash Flood
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Barry County

Cassville	07 08	2200CST 0100CST			0	0	0		Flash Flood
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Dade County

Greenfield	07 08	2200CST 0100CST			0	0	0		Flash Flood
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Lawrence County

Halltown	07 08	2200CST 0100CST			0	0	0		Flash Flood
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Wright County

Grovespring	08	0000CST 0400CST			1	0	0		Flash Flood
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F17VE

Morgan County

Florence	09	0025CST 0300CST			0	0	0		Flash Flood
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Maries County

Vichy	09	0130CST 0430CST			0	0	0		Flash Flood
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Pulaski County

Waynesville	09	0130CST 0500CST			0	0	0		Flash Flood
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Miller County

Tuscumbia	09	0135CST 0300CST			0	0	0		Flash Flood
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This extraordinary event consisted of three primary waves of severe weather and flooding. The first occurred during the early morning of May 7th. The second consisted of four separate severe and flooding events which overlapped and lasted from the mid-morning of May 7th, to near sunrise on May 8th. The last wave of severe weather and flooding swept through the area during the evening of May 8th, into the early morning hours of May 9th.

Rainfall amounts of four to eight inches fell across the area during this 36 to 48 hour period. Excessive rainfall amounts greater than 10 inches were shown over Bourbon, Crawford, Vernon, Cedar, and Morgan counties, with several observers reporting amounts in excess of 11 inches.

The widespread heavy rain amounts and periods of torrential rainfall rates resulted in extensive flooding of small streams and creeks, county roads, low water crossings and other low lying areas. Major highways were also affected. The widespread flooding forced evacuations in several communities and the closing of some schools.

A 17 year old female died after being swept off a low water crossing on Beaver Creek six miles north of Mountain Grove, or along the Wright/Texas County border.

More specific county information along with all monetary damages, will be included in the flood narrative listed on May 9th.

Vernon County

2 W Nevada	07	0815CST			0	0	0		Hail(0.75)
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Douglas County

Vanzant	07	0900CST			0	0	0		Hail(1.00)
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MISSOURI, Southwest

Barton County

Lamar	07	0932CST			0	0	0		Hail(0.88)
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Polk County

Pleasant Hope	07	1115CST			0	0	0		Hail(0.88)
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Polk County

Pleasant Hope	07	1125CST			0	0	0		Hail(0.88)
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Dallas County

1 SW Olive	07	1130CST			0	0	0		Hail(0.75)
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Webster County

Northview to 1 N Marshfield	07	1150CST 1205CST			0	0	25K		Hail(1.50)
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A portion of a church's roof near Northview was blown off.

Christian County

Nixa	07	1201CST			0	0	0		Hail(0.75)
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Shannon County

2 S Winona	07	1305CST			0	0	0		Hail(0.75)
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Vernon County

Nevada	07	1517CST 1519CST			0	0	0		Hail(0.75)
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Cedar County

El Dorado Spgs	07	1605CST			0	0	0		Hail(0.75)
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Jasper County

Joplin to Duenweg	07	1720CST 1740CST			0	0	100K		Thunderstorm Wind (G60)
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Winds of 60 to 70 mph blew through Joplin and surround communities causing numerous power outages and damage to local businesses. These severe winds pushed in a sliding door at a garage at a local trucking company and caused part of a supporting wall to collapse. Nickel size hail was also reported north of Joplin.

Hickory County

Elkton to Nemo	07	1730CST 1745CST			0	0	50K		Thunderstorm Wind (G60)
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Winds up to 70 mph swept through southern Hickory County destroying barns, and uprooting numerous trees. Several docks near Nemo were overturned, damaged or destroyed.

Newton County

1 N Redings Mill	07	1730CST			0	0	0		Thunderstorm Wind (G60)
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Several trees were uprooted just south of the Jasper County line.

Jasper County

Carthage	07	1745CST			0	0	0		Thunderstorm Wind (G60)
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Nickel size hail was also reported in Carthage.

Lawrence County

Stotts City	07	1830CST			0	0	0		Thunderstorm Wind (G55)
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Trees were blown down near Stotts City along with quarter size hail near Mount Vernon.

Greene County

Republic	07	1905CST			0	0	0		Hail(1.00)
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60 mph winds were reported in Republic along with dime size hail in Battlefield.

MOZ055>058-066>071-077>083-088>098-101>106 Benton - Morgan - Miller - Maries - Vernon - St. Clair - Hickory - Camden - Pulaski - Phelps - Barton - Cedar - Polk - Dallas - Laclede - Texas - Dent - Jasper - Dade - Greene - Webster - Wright - Newton - Lawrence - Christian - Douglas - Howell - Shannon - McDonald - Barry - Stone - Taney - Ozark - Oregon

07	1930CST				2	0	14.3M	200K	Flood
09	1200CST								

The flash flooding event on the 7th and early 8th, became a major flooding event across all of southern and central Missouri through



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MISSOURI, Southwest

the early afternoon of May 9th. In addition to the numerous road closures, bridges blocked by debris, evacuations of towns, campgrounds, parks, and moderate river flooding, many communities had their worst flooding in more than 10 years. The American Red Cross set up shelters in Branson and Cassville due to evacuations. Flooded roadways forced several school districts across southwest Missouri to close for a few days. Several areas of west central Missouri also had crop damage

Specifically, the worst damage occurred in the following counties;

In Barry County, areas along Flat and Shoal Creeks received most of the flooding and associated damages. Barricades had to be placed along Shoal Creek near Wheaton where three bridges were damaged and inundated by flood waters. Over 100 houses were affected by the flood in the northeastern part of Cassville. Residents living on Harold and Fair streets near Flat Creek Trailer Park were evacuated for more than five hours during the height of the storm.

In Christian County, the sudden flooding of the Finley River caused a local car dealership to move over 50 cars from the flood waters. The river also shut down a local restaurant on the north side of town. The owners of the restaurant stated that the river was more damaging than the 93' flood which was actually higher. However, this time the river was swifter, more furious, and took longer for the water to go back down. The waters damaged several items in the kitchen, including a salad refrigerator, and a grand piano. A local poultry farm had to transport 100 birds to drier land. The flood waters destroyed three pens and covered about two acres of their farmland.

In Cedar County, the Stockton City Park was severely damaged due to the flooding which caused more than 200,000 dollars in losses.

In Douglas County, a local dairy farmer loss nearly six months of hay, labor and stored supplies due to the flood waters.

In Greene County, the residents of a local subdivision had another flooding event in less than one year. Homeowners report having suffered high water several times over the past decade, with most of the flooding associated with their basements. However, the flood waters have also damaged fencing and in-ground pools.

In Howell County, the most significant damage occurred after the Warm Fork River washed out a portion of train track four miles southeast of West Plains, resulting in a train derailment. Four locomotives, each weighing 260,000 pounds, and 10 railroad cars were knocked off the tracks allowing diesel fuel to flow freely onto the ground. In West Plains, much of a local shopping center parking lot off Preacher Roe Boulevard was under water for nearly 6 hours, along with a local trailer park. Eighteen inches of water flooded the trailer park which increased to over four feet as it neared Howell Creek in the eastern part of town. The high water forced evacuations in the city of West Plains and Willow Springs in northern Howell county.

In Jasper County, a 47 year old man died after begin swept off a low water crossing over Turkey Creek in Joplin.

In McDonald County, a major landslide severely damaged Highway 69 just north of Noel.

In Newton County, a 62 year old man died after begin swept off a low water crossing over Shoal Creek near Joplin.

In Ozark County, along the Bryant Creek, bridges were damaged and the heavy rains cut trenches across the county roads. Not only did public roads and bridges sustained damage, private property owners watched as stream banks eroded, taking trailers, canoes, and other valuable items downstream. In places along the bank of the Bryant Creek, the erosion was measured in feet rather than inches.

In Polk County, during the height of the event, hundreds of people in the rural areas were isolated in their homes by the flooding. A local man tried to clear debris that had piled up against a local bridge near Morrisville, fell into the water and was washed downstream before rescue workers could find and rescue him.

In Pulaski County, after several inches of rain, residents of Waynesville along the Roubidoux River were evacuated because of high water. The high water also covered Spring Street and the RV park which caused campers to evacuate to higher ground.

In Shannon County, the Jacks Fork crested at 18 feet near Eminence, Missouri which inundated local campgrounds, the City Park and forced 1200 trail riders and their horses to evacuate the grounds of the Cross County Trail Ride for at least 24 hours. The rise covered the Eminence baseball field and adjacent campgrounds on the south side spilling across Highway 106 at one low point. On the north side, the water rose into the lower units of a local motel and reportedly reached a level of three to four feet inside the indoor rodeo arena at Cross County Trail Ride.

In Taney County near Branson, the Stockstill Park was severely damaged by the Roark Creek which grew to more than 400 feet wide sending four feet of water crashing across the park's ball fields and playgrounds. Tons of topsoil were stripped off the ball fields leaving bases sticking up several inches above a bare clay surface. Picnic benches and trash cans disappeared downstream. Asphalt on walking trails buckled or was carried away. More than 30 homes were evacuated in Bull Creek Village when the creek threatened



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MISSOURI, Southwest

the entire neighborhood. A large trailer was swept 300-feet downstream by flash flooding on the Roark Creek. Also due to the flooding of the Bull Shoals Lake, the annual county fair was cancelled for late July.

In Stone County, the city of Reeds Spring evacuated a local mobile home park, the post office, and 12 businesses along Highway 13 when Railey Creek jumped its banks. In the downtown area, water up to three feet deep closed part of the main road through town for several hours.

In Texas County, flash flooding caused a variety of problems near Cabool as a local Dairy Plant had their truck scales washed away. Vehicles of several employees and milk haulers were damaged as flood waters managed to get inside. The flood water also reached the plant's front and side entrances, boiler room, and receiving docks. South of Simmons, a family was stranded in a house along the Big Piney River.

In Webster County, dozens of bridges and low water crossings were damaged or destroyed by the flood waters. Local officials stated that they lost anywhere between an inch to two inches of rock on each road in the county.

In addition to all of the flash flooding reports, river flooding became significant as all of the southern Missouri rivers rose above flood stage by the middle of May. Some of the rivers crested at levels equivalent to the 1993 flood event. M47VE, M62VE

Christian County

Riverdale	07	1934CST			0	0	0	Hail(1.75)
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Vernon County

Nevada	07	2100CST			0	0	18K	Lightning
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A house fire resulted from a lightning strike that shorted out a hot tub in a home's basement.

Wright County

Mountain Grove	07	2120CST			0	0	0	Hail(1.00)
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Douglas County

Vanzant	07	2120CST			0	0	0	Hail(1.00)
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Newton County

Redings Mill	07	2123CST			0	0	0	Hail(1.00)
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Quarter size hail was also reported near Diamond.

Jasper County

Carthage	07	2125CST			0	0	0	Hail(0.88)
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Barton County

7 SW Lamar	07	2136CST			0	0	0	Hail(1.00)
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Barry County

Monett	07	2202CST			0	0	0	Hail(0.88)
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Lawrence County

Pierce City	07	2202CST			0	0	0	Hail(0.88)
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60 mph wind gusts were reported near Friestatt.

Stone County

Union City	07	2220CST			0	0	0	Hail(0.88)
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Christian County

Clever to Ozark	07	2225CST 2240CST			0	0	0	Hail(1.75)
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65 mph wind gusts were also reported in northern Christian County along Highway 65.

Greene County

2 NW Republic	07	2228CST			0	0	0	Hail(0.88)
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Stone County

Reeds Spg	07	2245CST			0	0	0	Hail(0.75)
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60 mph wind gusts was also reported at the intersection of Highways 160 and 76.

Douglas County

Dogwood	07	2310CST			0	0	0	Hail(1.75)
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Golf ball size hail was also reported east of Dogwood.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

MISSOURI, Southwest

Douglas County

Ava **07** **2325CST** **0** **0** **75K** **Hail(0.88)**

A severe storm left behind a path of destruction over portions of Douglas County. An airport hangar near Ava was destroyed with debris scattered over a 200-yard area on the airport property. Several homes and cars in a subdivision north of Ava endured damage from hail along with numerous trees and power lines blown down.

Barton County

Mindenmines **08** **0236CST** **0** **0** **0** **Hail(1.00)**

60 to 70 mph winds were also reported near Mindenmines.

Dade County

1 N Greenfield **08** **0325CST** **0** **0** **0** **Hail(1.00)**

Polk County

Eudora **08** **0340CST**
 0350CST **0** **0** **0** **Thunderstorm Wind (G55)**

Trees were uprooted along with reports of nickel size hail near Eudora.

Greene County

Springfield **08** **0408CST** **0** **0** **0** **Hail(0.88)**

Wright County

Hartville **08** **0450CST** **0** **0** **5K** **Thunderstorm Wind (G52)**

Trees and power lines were blown down along Highway 5 near Hartville.

Cedar County

El Dorado Spgs to **08** **2045CST**
Stockton **2055CST** **0** **0** **5K** **Thunderstorm Wind (G52)**

Vernon County

Milo **08** **2050CST** **0** **0** **2K** **Thunderstorm Wind (G52)**

Dade County

Greenfield to **08** **2115CST**
3 NE Greenfield **2125CST** **0** **0** **30K** **200K** **Thunderstorm Wind (G60)**

Newton County

Saginaw **08** **2145CST** **0** **0** **0** **Thunderstorm Wind (G52)**

Polk County

Bolivar **08** **2148CST**
 2150CST **0** **0** **10K** **Thunderstorm Wind (G55)**

Dallas County

Buffalo **08** **2200CST**
 2220CST **0** **0** **35K** **Thunderstorm Wind (G60)**

Greene County

Springfield **08** **2210CST**
 2235CST **0** **0** **2K** **Thunderstorm Wind (G52)**

Christian County

Billings **08** **2225CST** **0** **0** **5K** **Thunderstorm Wind (G52)**

Laclede County

Lebanon **08** **2225CST** **0** **0** **5K** **Thunderstorm Wind (G52)**

Webster County

5 E Marshfield **08** **2230CST** **0** **0** **0** **Thunderstorm Wind (G52)**

Wright County

Hartville to **08** **2300CST**
Mansfield **2310CST** **0** **0** **10K** **Thunderstorm Wind (G52)**

Texas County

1 W Licking to **08** **2325CST**
1 E Licking **2330CST** **0** **0** **300K** **Thunderstorm Wind (G65)**

A squall line formed over eastern Kansas during the evening of May 8th and moved through portions of the Ozarks, creating a large



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

MISSOURI, Southwest

swath of damage. Numerous power lines and trees were blown down throughout the area. Near Stockton, structural damage occurred to a golf course gazebo. Other damage reports included homes near Greenfield and Fair Grove, southern parts of Dallas County, and businesses near Bolivar. The hardest hit area was near Licking where local storm spotters estimated winds of 70 to 80 mph which created a damage path of nearly a mile wide. It left serious property damage, including a ripped off tin roof from a local lumber company, a 35 to 40 foot section of roof torn from a local shopping center, and much of the roof blown off a local manufacturing factory.

Barton County **3 S Lamar**

08 2045CST 0 0 0 100K Hail(1.00)

High winds and large hail caused nearly 60 apple trees at a local orchard to be blown down southeast of Lamar. Thousands of acres of wheat and fescue were damaged by hail in a swath six mile wide that extended from southwest of Lamar, through Barton County, and into Dade County.

Miller County **Eldon**

08 2205CST 0 0 0 Hail(0.75)

Miller County **Eldon**

08 2210CST 0 0 0 Hail(0.75)

Howell County **3 SE Moody**

09 0045CST 0 0 0 Thunderstorm Wind (G52)

Several trees were blown down near Moody.

Barton County **Milford**

**12 1300CST
1600CST 0 0 0 Flash Flood**

Polk County **Bolivar**

**12 1455CST
1755CST 0 0 0 Flash Flood**

Cedar County **Stockton**

**12 1500CST
1800CST 0 0 0 Flash Flood**

Dallas County **Buffalo**

**12 1545CST
1845CST 0 0 0 Flash Flood**

Laclede County **Lebanon**

**12 1545CST
1845CST 0 0 0 Flash Flood**

Dade County **Greenfield**

**12 1550CST
1900CST 0 0 0 Flash Flood**

Camden County **Montreal**

**12 1600CST
1900CST 0 0 0 Flash Flood**

Phelps County **Rolla**

**12 1600CST
1900CST 0 0 0 Flash Flood**

Pulaski County **Dixon**

**12 1600CST
1900CST 0 0 0 Flash Flood**

Dent County **Jadwin**

**12 1730CST
2030CST 0 0 0 Flash Flood**

Jasper County **Jasper**

**12 1730CST
2030CST 0 0 0 Flash Flood**

Newton County **Neosho**

**12 1730CST
2030CST 0 0 0 Flash Flood**



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

May 2002									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>MISSOURI, Southwest</u>									
Hickory County Cross Timbers	12	1800CST 2100CST			0	0	0		Flash Flood
Medonald County Powell	12	1800CST 2100CST			0	0	0		Flash Flood
Maries County Brinktown	12	1900CST 2200CST			0	0	0		Flash Flood
Miller County Iberia	12	1900CST 2200CST			0	0	0		Flash Flood
Texas County Licking	12	1900CST 2200CST			0	0	0		Flash Flood
Vernon County Dederick	12	1900CST 2200CST			0	0	0		Flash Flood
Douglas County Ava	12 13	2100CST 0000CST			0	0	0		Flash Flood
Ozark County Udall	12 13	2200CST 0100CST			0	0	0		Flash Flood
Shannon County Akers	12 13	2200CST 0100CST			0	0	0		Flash Flood
Taney County Ridgedale	12 13	2200CST 0100CST			0	0	0		Flash Flood
Howell County West Plains	12 13	2215CST 0115CST			0	0	0		Flash Flood
Another in a series of thunderstorm complexes moved across the area producing excessive rainfall on the already saturated soils. Most of the heavy rainfall began across central Missouri Sunday morning May 12th, and then produced another round of torrential rainfall Sunday evening. By Monday morning May 13th, a large area of two inches fell north of Interstate 44, with the heaviest bands of three to six inches from Joplin northeast to Greenfield, Bolivar and Urbana. Another area of excessive rain fell over eastern Texas, northern Shannon, and southern Dent counties where locally three to six inches fell.									
Barton County 4 NW Lamar	12	1307CST			0	0	0		Hail(1.00)
Quarter size hail was also reported northeast of Lamar.									
Barton County 5 NE Lamar	12	1320CST			0	0	0		Hail(1.00)
Cedar County Jerico Spgs	12	1335CST			0	0	0		Hail(1.00)
Cedar County Stockton	12	1345CST			0	0	0		Thunderstorm Wind (G52)
Dallas County Charity	12	1530CST			0	0	0		Thunderstorm Wind (G52)
Laclede County Lebanon	12	1540CST			0	0	10K		Thunderstorm Wind (G55)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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MISSOURI, Southwest

Phelps County

Rolla	12	1550CST	0	0	0	Thunderstorm Wind (G52)
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A squall line moved through portions of the Ozarks Sunday afternoon and produced sporadic damage from Stockton to Lebanon and Rolla. Most reports were from downed trees, however, a business near Rolla had their roof damaged due to the straight line winds. Also a report of dime size hail occurred near Rolla.

Laclede County

Eldridge	12	1418CST	0	0	0	Hail(1.75)
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Dade County

Greenfield	12	1440CST	0	0	0	Hail(1.00)
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Benton County

3 E Cole Camp	12	1500CST	0	0	0	Hail(0.75)
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Pulaski County

Swedeborg	12	1507CST	0	0	0	Hail(0.75)
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Polk County

Morrisville	12	1530CST	0	0	0	Hail(1.75)
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Maries County

5 S Brinktown	12	1530CST	0	0	0	Thunderstorm Wind (G52)
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Trees were blown down south of Brinktown.

Wright County

5 W Grovespring	12	1600CST	0	0	2K	Thunderstorm Wind (G52)
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Trees and power lines were blown down west of Grovespring

Webster County

5 E Niangua	12	1600CST	0	0	2K	Thunderstorm Wind (G52)
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Trees and power lines were blown down east of Niangua.

MOZ055>058-066>071-077>083-088>098-101>106 Benton - Morgan - Miller - Maries - Vernon - St. Clair - Hickory - Camden - Pulaski - Phelps - Barton - Cedar - Polk - Dallas - Laclede - Texas - Dent - Jasper - Dade - Greene - Webster - Wright - Newton - Lawrence - Christian - Douglas - Howell - Shannon - McDonald - Barry - Stone - Taney - Ozark - Oregon

12	1600CST	0	0	700K	Flood
14	0800CST				

This is the continuation of the flooding that occurred over portions of southern Missouri on May 12th and 13th. Although numerous low water crossings, bridges, and area rivers flooded for the second time in less than a week, this area was more concentrated over portions of southwest Missouri and portions of extreme south central Missouri. One of the more significant factors this time with the flooding is that the area lakes rose to critical levels, especially Bull Shoals and Table Rock Lake, where the water rose to a few feet below the flood pool.

This flooding event prolonged the closure of numerous roads and low water bridges over central and southern Missouri. The additional heavy rain also worsened already existing river flooding over the region. Polk County received over eight inches of rainfall during a 12 hour period which caused most of the southern part of the county to have significant road erosion. Parts of Dent County also reported significant basement flooding and road erosion.

Texas County

10 W Licking	12	1625CST	0	0	0	Hail(0.88)
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Polk County

Bolivar	12	1640CST	0	0	0	Hail(0.88)
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Dade County

Lockwood	12	1658CST	0	0	0	Hail(0.88)
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Lawrence County

Halltown	12	1700CST	0	0	0	Hail(0.88)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>MISSOURI, Southwest</u>									
Shannon County									
5 N Midridge	12	1720CST			0	0	0		Thunderstorm Wind (G52)
			Trees were blown down north of Midridge.						
Dent County									
Bunker	12	1720CST			0	0	0		Hail(0.75)
Jasper County									
1 W Sarcoxie	12	1730CST			0	0	0		Hail(1.00)
St. Clair County									
6 W Collins	12	1730CST			0	0	0		Hail(0.75)
Dade County									
Lockwood	12	1813CST			0	0	0		Hail(1.75)
			Egg size hail was also reported near Greenfield.						
Newton County									
Racine	12	2025CST			0	0	0		Hail(0.75)
Newton County									
Saginaw	12	2030CST			0	0	0		Hail(1.00)
Phelps County									
Countywide	16 17	2056CST 0100CST			0	0	0		Flash Flood
Dent County									
Countywide	16 17	2210CST 0200CST			0	0	0		Flash Flood
Jasper County									
South Portion	17	0200CST 0400CST			0	0	0		Flash Flood
Webster County									
South Portion	17	0215CST 0600CST			0	0	0		Flash Flood
Texas County									
Countywide	17	0224CST 0600CST			0	0	0		Flash Flood
Douglas County									
North Portion	17	0335CST 0800CST			0	0	0		Flash Flood
Howell County									
Countywide	17	0500CST 0900CST			0	0	0		Flash Flood
Shannon County									
Countywide	17	0545CST 0900CST			0	0	0		Flash Flood
Barry County									
Countywide	17	0600CST 0900CST			0	0	0		Flash Flood
Newton County									
East Portion	17	0600CST 0800CST			0	0	0		Flash Flood
Oregon County									
Countywide	17	0600CST 0900CST			0	0	0		Flash Flood
Mcdonald County									
East Portion	17	0610CST 0800CST			0	0	0		Flash Flood



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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MISSOURI, Southwest

Christian County

North Portion

17	0700CST 1000CST				0	0	0		Flash Flood
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This was the third major flood event to occur within a 10 day period. Some communities reported over a foot of rain since the beginning of May. This area of excessive rainfall fell over mostly southern Missouri, south of Interstate 44 from the night of May 16, through the morning May 17th. Over an inch of rain fell over a broad area of southern Missouri, with bands of three to six inches from Joplin to Carthage, Powell to Cassville, Ozark to Mansfield, and from Licking to Ankers in northern Shannon County. Even though there were three days of dry weather, runoff was not complete from the previous flooding event, therefore, flash flooding developed quickly.

MOZ058-070>071-
082>083-088-091>098-101-
103>106

Maries - Pulaski - Phelps - Texas - Dent - Jasper - Webster - Wright - Newton - Lawrence - Christian - Douglas - Howell -
Shannon - McDonald - Stone - Taney - Ozark - Oregon

17 18	0100CST 0400CST				0	0	0		Flood
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This is the continuation of the flooding from May 16th and 17th. Runoff was excessive over south central Missouri and portions of southwest Missouri where local rivers and smaller tributaries continued to rise. The runoff slowly subsided during the early morning hours of May 18th.

During the first three weeks of May, many areas of the Ozarks and southeast Kansas received between seven and twelve inches of rainfall. Not only did this cause major flooding of roadways, rivers and creeks, this contributed to lake levels rising to near record heights. Bull Shoals Lake rose so high that it caused Highway K to flood for several weeks. It forced seven families that live along Highway K to travel to and from their homes via canoes or rafts. A city park was closed for several weeks on Lake Taneycomo and caused their local fair to be cancelled.

The significant and widespread flooding that occurred over the region caused the President to declare the following counties in southern Missouri disaster areas; Camden, Cedar, Christian, Dent, Greene, Hickory, Jasper, Laclede, McDonald, Newton, Polk, Stone, Texas, Vernon, Wright, Barry, Barton, Dade, Dallas, Webster, Taney, Douglas, Howell, Oregon, Lawrence and Shannon counties.

Stone County

North Portion

28 29	2225CST 0330CST				0	0	0		Flash Flood
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Two to four inches of rain fell in a short period of time causing flash flooding around Galena and Hurley. Water was reported flowing over several roadways in these communities.

Douglas County

East Portion

29	1600CST 1800CST				0	0	0		Flash Flood
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Two to three inches of rain fell in a short period of time over portions of eastern Douglas County. Low water crossings were reported flooded and impassable southeast of Drury.